

Transmittal

Mr. Paul Ruesch
Environmental Engineer
Region 5
U.S. Environmental Protection Agency
77 West Jackson Blvd.
Chicago, IL 60604-3590

September 17, 2012

Re: Nature Ventures, LLC – Phase II Environmental Site
Assessment (ESA)

Project No. G06361C

- ☐ For Review
- ☒ For Your Use
- ☐ As Requested

Sent By: Todd C. Campbell, CPG/lkj

| COPIES | DATE | DESCRIPTION |
|--------|---------|--------------|
| 1 | 12/2005 | Site Diagram |
| 1 | 12/2005 | Boring Logs |

COMMENTS

The attached Site Diagram shows where borings were advanced during the Phase II ESA, as well as corresponding boring logs. If you have any questions or require additional information, please contact me at 269-544-6948 or tccampbell@ftch.com.

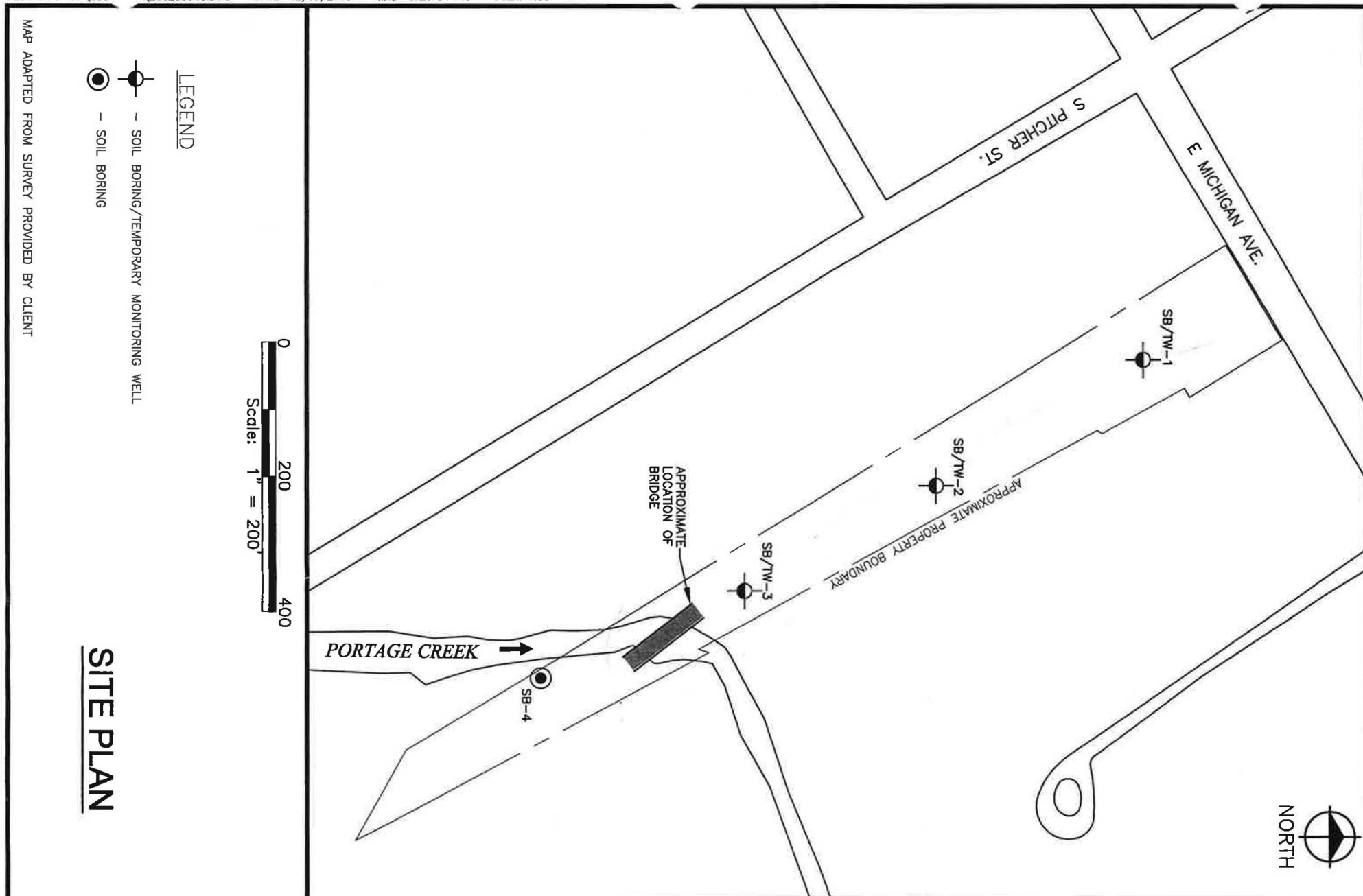
By e-mail

cc/att: Willard M. Rose, Ph.D. - Nature Ventures, Inc.
Lynn M. Spurr - FTC&H

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BOREHOLE LOG

BORING/WELL ID: SB/TW-1

TOTAL DEPTH (ft.): 15'

PROJECT: Nature Ventures, LLC, Phase II

SITE LOCATION: Kalamazoo, MI

PROJECT NO.: G05648

PROJECT MANAGER: Steve Kimm

LOGGED BY: Brad Peuler

START DATE: 12/1/05

END DATE: 12/1/05

TOC ELEV.: NA

GROUND ELEV.: NA

STATIC WATER LVL.: 9.5' bgs

DRILLING CO.: Great Lakes Geotechnical Services

DRILLER: Dan & Tom Crandell

RIG TYPE: 66 DT Geoprobe

METHOD OF DRILLING: Direct Push

SAMPLING METHODS: Macro Cores

NOTES:

Static Water Level

Page 1 of 1

| DESCRIPTION | PID ppm | GRAPHIC LOG | DEPTH (ft. bgs) | Static Water Level | Sample/ Recovery | Sample ID | Blow Counts | WELL CONSTRUCTION DETAIL |
|--|------------|----------------|--------------------|-----------------------|---------------------|--------------------------------|----------------|-----------------------------|
| TOPSOIL | | | 0 | | | | | |
| FILL: fine to coarse Sand, with organics, coal fragments, brick fragments, black, poorly sorted, soft, dry | 0 | | | | | NV-05-12-SB-1(0-1') (I/MS/MSD) | | |
| SAND: medium grained, with trace coarse Sand, brown, well sorted, dry | 0 | | 2 | | | | | 1" PVC Casing |
| | 0 | | 4 | | | | | |
| SAND: fine to medium grained, brown, well sorted, dry | 0 | | 6 | | | | | Natural Collapse |
| | 0 | | 8 | | | | | |
| CLAY: with fine Sand, brown, soft, well sorted, dry | | | | | | | | |
| SAND: fine to medium grained, brown, well sorted, wet | | | 10 | | | NV-05-12-TW-1 (9.5-14.5')(I) | | 1" PVC Screen (10 slot) |
| SAND: fine grained, with Clay, brown, well sorted, soft, wet | | | 12 | | | | | |
| SANDY CLAY TO CLAYEY SAND: Clay, with fine Sand, brown, well sorted, soft, moist to dry | | | | | | | | |
| SAND: medium grained, brown, well sorted, wet | | | | | | | | |
| SANDY CLAY TO CLAYEY SAND: Clay, with fine Sand, brown, well sorted, soft, dry | | | | | | | | |
| SAND: fine to medium grained, brown, well sorted, wet | | | 14 | | | | | |



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BOREHOLE LOG

BORING/WELL ID: SB/TW-3

TOTAL DEPTH (ft.): 15'

PROJECT: Nature Ventures, LLC, Phase II

SITE LOCATION: Kalamazoo, MI

PROJECT NO.: G05648

PROJECT MANAGER: Steve Kimm

LOGGED BY: Brad Peuler

START DATE: 12/1/05

END DATE: 12/1/05

TOC ELEV.: NA

GROUND ELEV.: NA

STATIC WATER LVL.: 7.5' bgs

DRILLING CO.: Great Lakes Geotechnical Services

DRILLER: Dan & Tom Crandell

RIG TYPE: 66 DT Geoprobe

METHOD OF DRILLING: Direct Push

SAMPLING METHODS: Macro Cores

NOTES:

Static Water Level

Page 1 of 1

DESCRIPTION

PID
ppm

GRAPHIC
LOG

DEPTH
(ft. bgl)

Static Water
Level

Sample/
Recovery

Sample
ID

Blow
Counts

WELL CONSTRUCTION
DETAIL

FILL: fine to coarse Sand, with organics, coal fragments, brick fragments, black, poorly sorted, dry

SAND: medium to coarse grained, brown, well sorted, dry

FILL: Slag, black, dry

SAND: medium grained, brown, well sorted, wet

PEAT: fibrous, with wood fragments, dry

SAND: fine to medium grained, light brown, well sorted, wet

SAND: fine to medium grained, with trace coarse Sand and fine Gravel, with brick fragments, grayish brown, poorly sorted, wet

SAND: fine to medium grained, with trace coarse Sand, gray, moderately sorted, wet

0

2

4

6

8

10

12

14

3.0'

3.0'

4.0'

NV-05-12-SB-3(0-1') (I)

NV-05-12-TW-3(9-14') (I/MS/MSD)

1" PVC Casing

Natural Collapse

1" PVC Screen (10 slot)



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BOREHOLE LOG

BORING/WELL ID: **SB-4**

TOTAL DEPTH (ft.): **2'**

PROJECT: Nature Ventures, LLC, Phase II

SITE LOCATION: Kalamazoo, MI

PROJECT NO.: G05648

PROJECT MANAGER: Steve Kimm

LOGGED BY: Brad Peuler

START DATE: 12/1/05

END DATE: 12/1/05

TOC ELEV.: NA

GROUND ELEV.: NA

STATIC WATER LVL.: ~2' bgs

DRILLING CO.: -

DRILLER: Brad Peuler

RIG TYPE: Hand Drilling Methods

METHOD OF DRILLING: Hand Auger

SAMPLING METHODS: Hand Auger

NOTES:

▼ Static Water Level

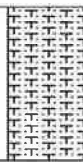
Page 1 of 1

| DESCRIPTION | PID ppm | GRAPHIC LOG | DEPTH (ft. bgl) | Static Water Level | Sample/ Recovery | Sample ID | Blow Counts | COMMENTS |
|-------------|------------|----------------|--------------------|-----------------------|---------------------|--------------|----------------|----------|
|-------------|------------|----------------|--------------------|-----------------------|---------------------|--------------|----------------|----------|

TOPSOIL: organic rich, black, moist

TOPSOIL, with Clay and Silt, organics, roots, black, soft, moist

Same As Above (grayish black)



0
2

ft

| | | | |
|------|-------------------------------------|--|--|
| 2.0' | NV-05-12-SB-4(1.5')(I/MS/MSD) & (D) | | |
|------|-------------------------------------|--|--|